

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
 Data File : BF133710.D
 Acq On : 12 Jun 2023 18:30
 Operator : CG\JU
 Sample : 03044-15
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-08-5.0-7.0

Quant Time: Jun 12 22:10:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 12 16:32:43 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/13/2023
 Supervised By :mohammad ahmed 06/13/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	71085	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	267347	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	119928	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	194867	20.000	ng	0.00
76) Chrysene-d12	14.004	240	155940	20.000	ng	-0.01
86) Perylene-d12	15.468	264	132293	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	472922	115.820	ng	0.00
7) Phenol-d6	6.463	99	574302	108.053	ng	0.00
23) Nitrobenzene-d5	7.393	82	395513	80.578	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	140753	92.718	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	699377	82.898	ng	0.00
79) Terphenyl-d14	12.945	244	603007	59.835	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.380	178	34191	3.458	ng	98
75) Fluoranthene	12.575	202	76281	7.266	ng	97
78) Pyrene	12.804	202	86422	5.949	ng	98
81) Benzo(a)anthracene	13.992	228	49617	4.600	ng	92
83) Chrysene	14.027	228	48285m	4.733	ng	
88) Benzo(b)fluoranthene	15.039	252	49277m	6.132	ng	
90) Benzo(a)pyrene	15.398	252	34549	4.632	ng	# 95
92) Benzo(g,h,i)perylene	17.357	276	19508	2.611	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

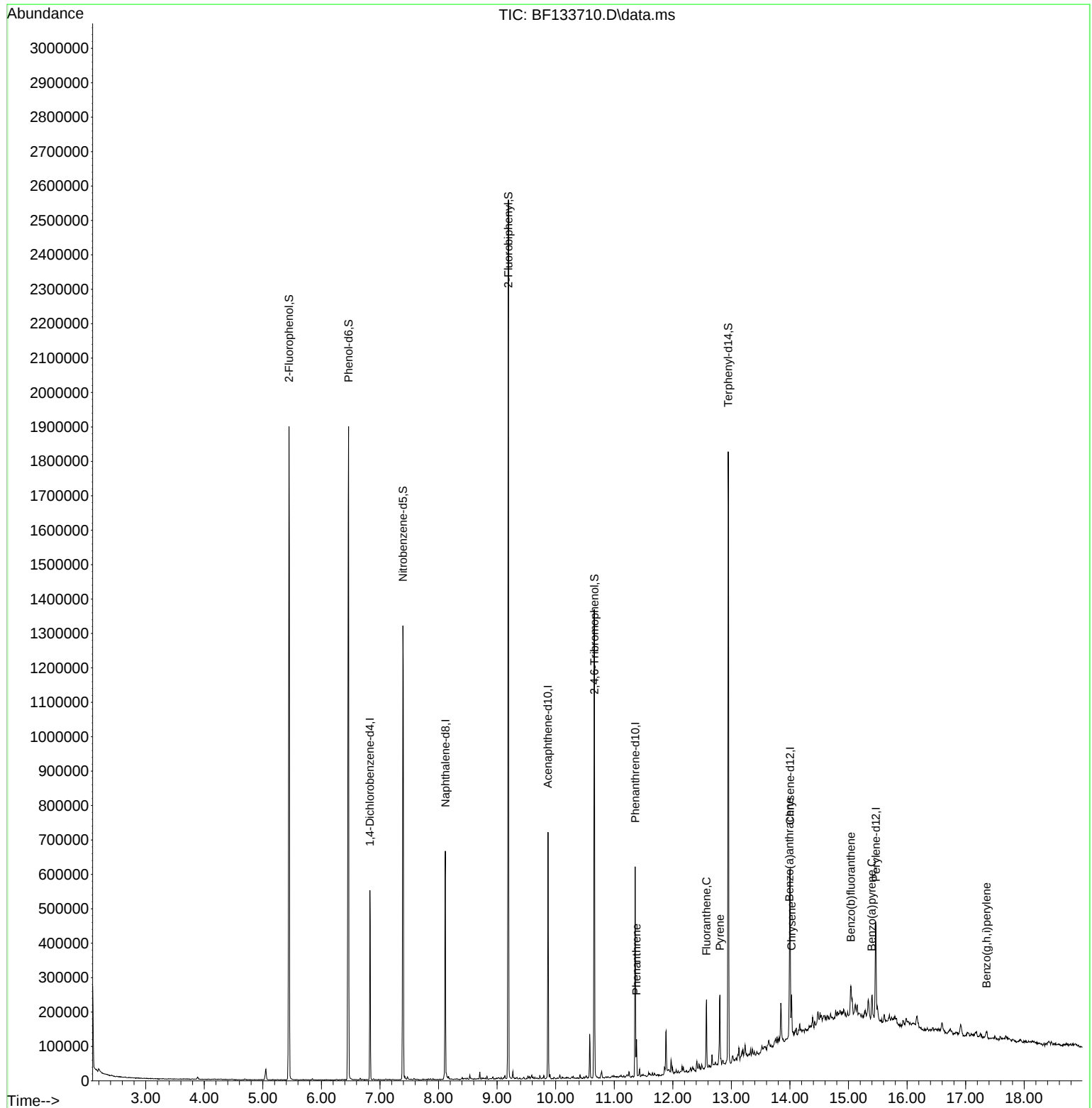
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
Data File : BF133710.D
Acq On : 12 Jun 2023 18:30
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BNA_F
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Quant Time: Jun 12 22:10:41 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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APPROVED

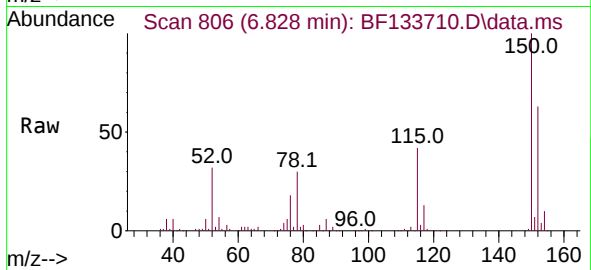
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF133710.D
Acq: 12 Jun 2023 18:30

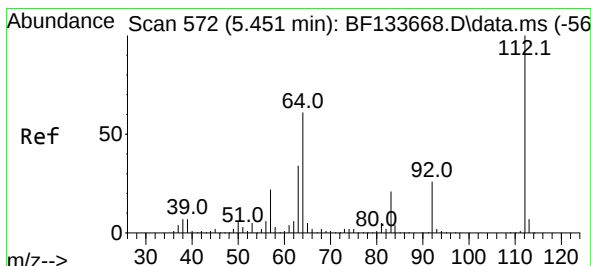
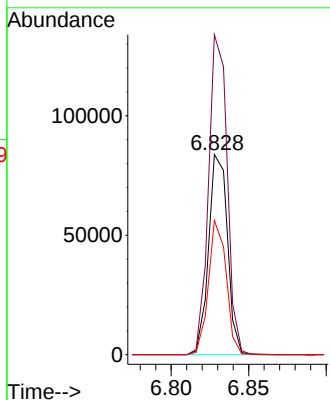
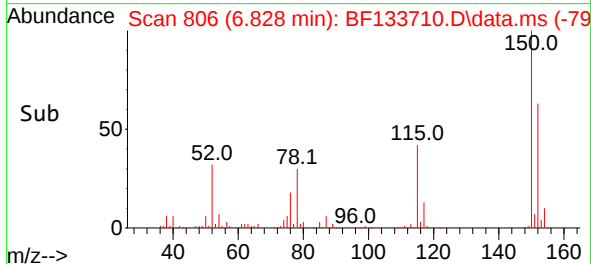
Instrument :
BNA_F
ClientSampleId :
SB-08-5.0-7.0



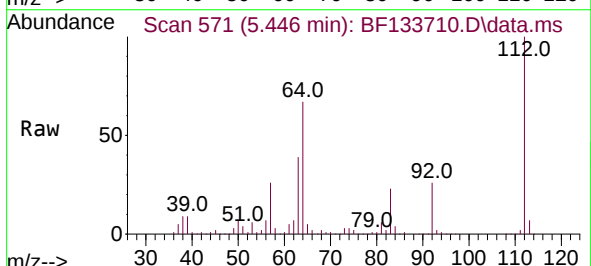
Tgt Ion:152 Resp: 71085
Ion Ratio Lower Upper
152 100
150 159.8 124.3 186.5
115 67.0 48.5 72.7

Manual Integrations
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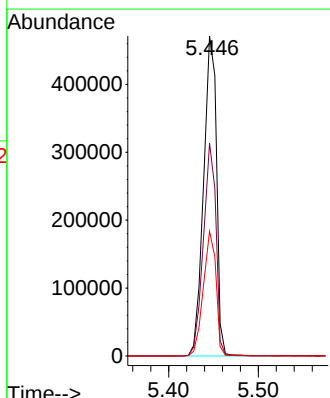
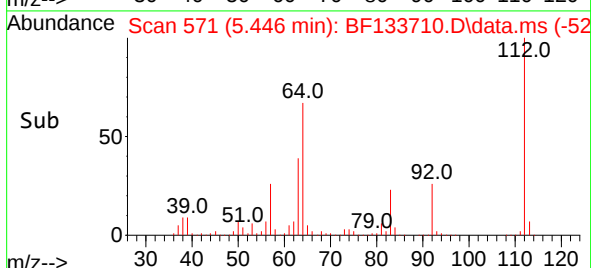
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023

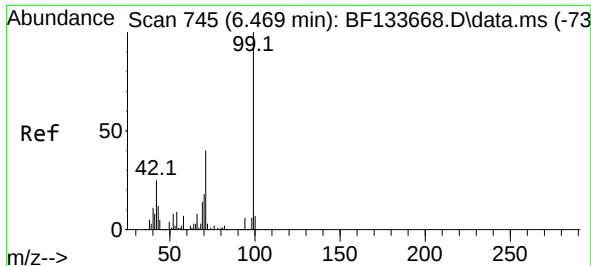


#5
2-Fluorophenol
Concen: 115.820 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.000 min
Lab File: BF133710.D
Acq: 12 Jun 2023 18:30



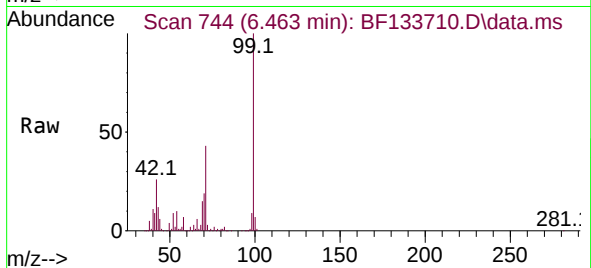
Tgt Ion:112 Resp: 472922
Ion Ratio Lower Upper
112 100
64 66.5 49.0 73.4
63 39.0 26.8 40.2





#7
Phenol-d6
Concen: 108.053 ng
RT: 6.463 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF133710.D
Acq: 12 Jun 2023 18:30

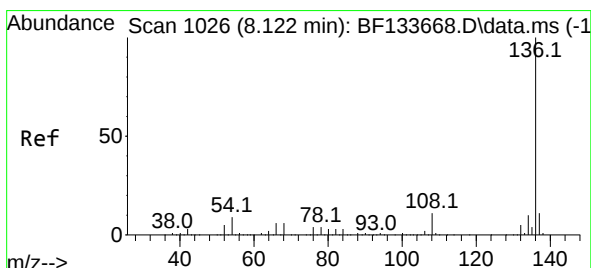
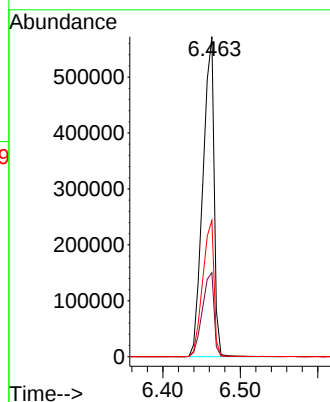
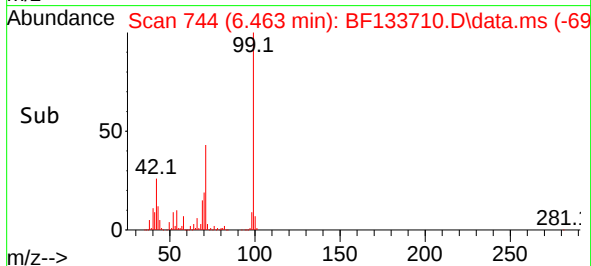
Instrument :
BNA_F
ClientSampleId :
SB-08-5.0-7.0



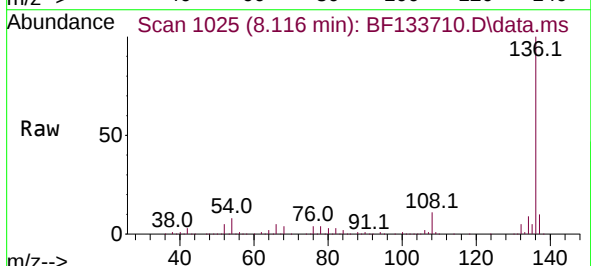
Tgt Ion: 99 Resp: 574302
Ion Ratio Lower Upper
99 100
42 26.3 19.9 29.9
71 42.6 32.2 48.4

Manual Integrations
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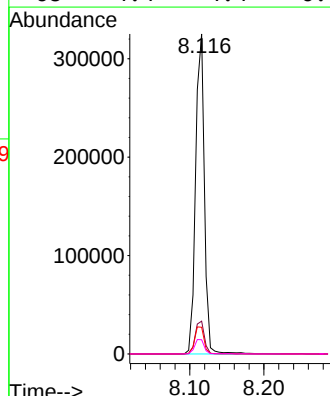
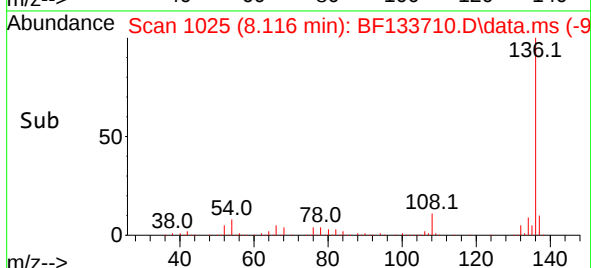
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133710.D
Acq: 12 Jun 2023 18:30



Tgt Ion:136 Resp: 267347
Ion Ratio Lower Upper
136 100
137 10.3 8.8 13.2
54 8.4 7.4 11.0
68 4.4 4.4 6.6





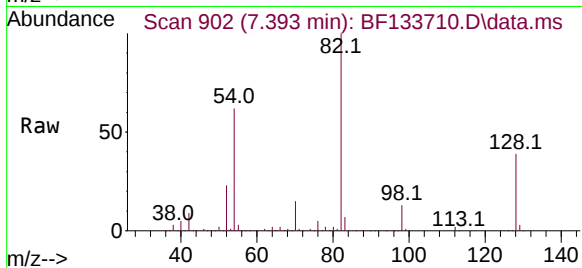
#23
Nitrobenzene-d5
Concen: 80.578 ng
RT: 7.393 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF133710.D
Acq: 12 Jun 2023 18:30

Instrument :

BNA_F

ClientSampleId :

SB-08-5.0-7.0

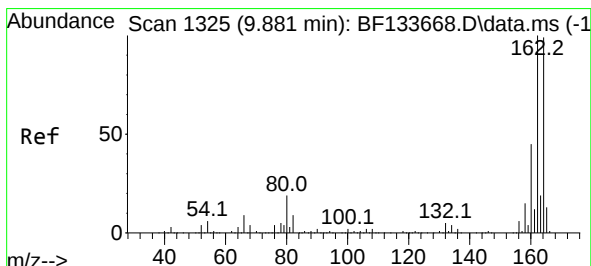
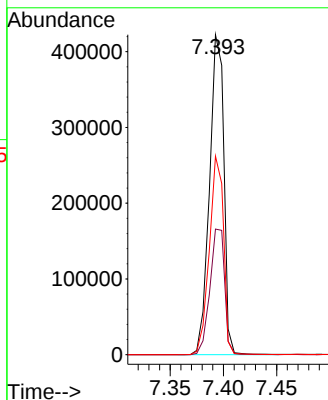
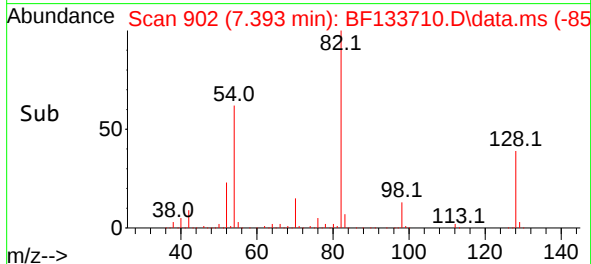


Tgt Ion: 82 Resp: 395511
Ion Ratio Lower Upper
82 100
128 39.3 34.2 51.2
54 62.0 46.5 69.7

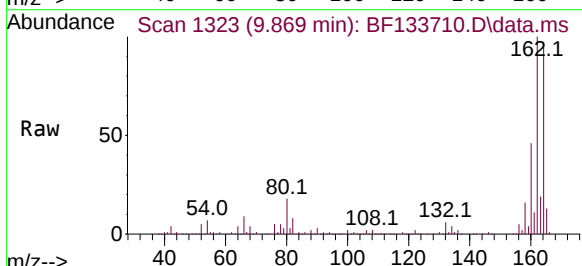
Manual Integrations

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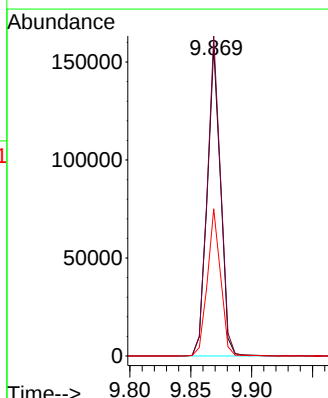
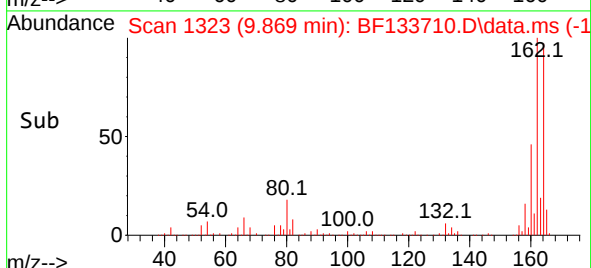
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF133710.D
Acq: 12 Jun 2023 18:30



Tgt Ion:164 Resp: 119928
Ion Ratio Lower Upper
164 100
162 103.6 80.8 121.2
160 47.7 36.7 55.1





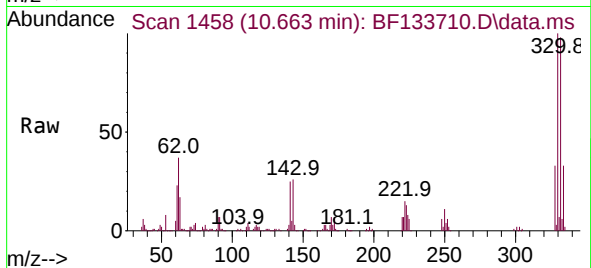
#42
2,4,6-Tribromophenol
Concen: 92.718 ng
RT: 10.663 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF133710.D
Acq: 12 Jun 2023 18:30

Instrument :

BNA_F

ClientSampleId :

SB-08-5.0-7.0



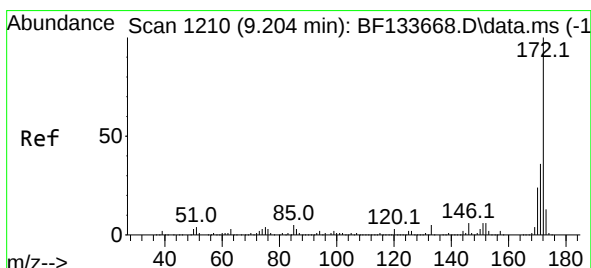
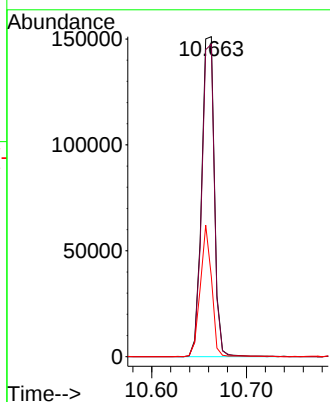
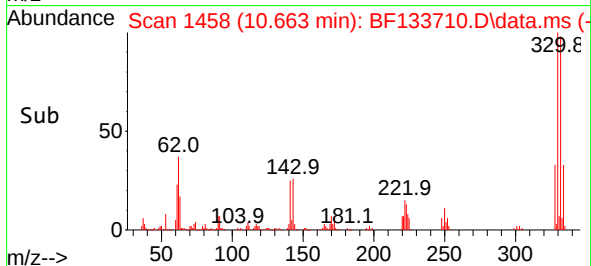
Tgt Ion:330 Resp: 14075
Ion Ratio Lower Upper
330 100
332 96.4 77.2 115.8
141 36.7 24.9 37.3

Manual Integrations

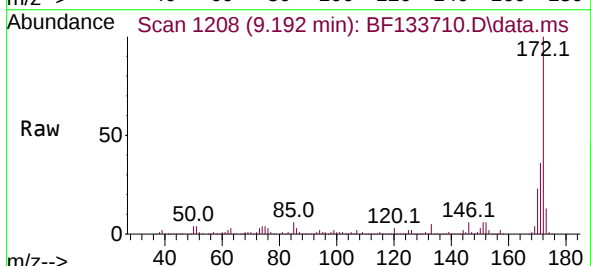
APPROVED

Reviewed By :Yogesh Patel 06/13/2023

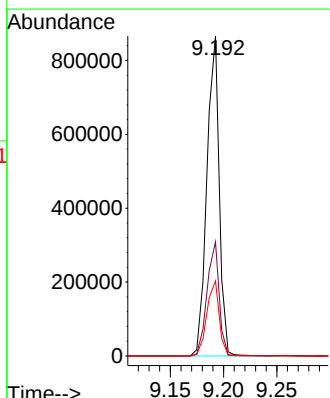
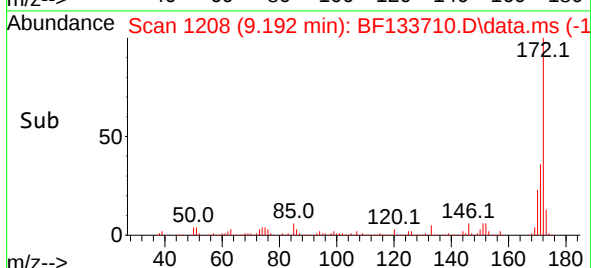
Supervised By :mohammad ahmed 06/13/2023



#45
2-Fluorobiphenyl
Concen: 82.898 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF133710.D
Acq: 12 Jun 2023 18:30



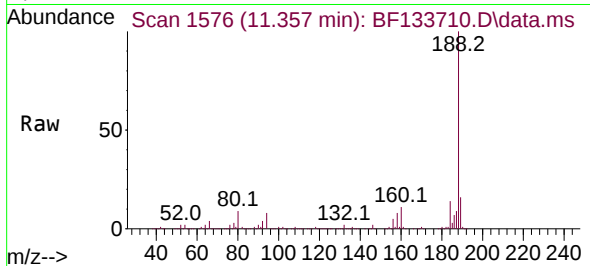
Tgt Ion:172 Resp: 699377
Ion Ratio Lower Upper
172 100
171 35.7 28.6 43.0
170 23.4 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133710.D
Acq: 12 Jun 2023 18:30

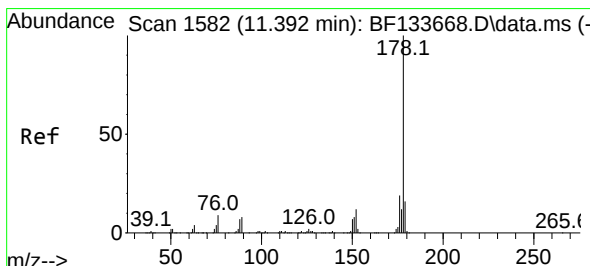
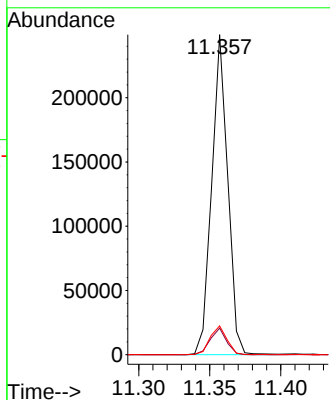
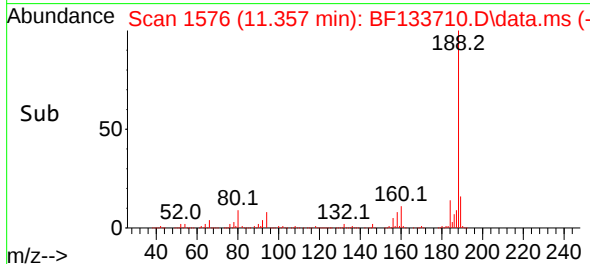
Instrument :
BNA_F
ClientSampleId :
SB-08-5.0-7.0



Tgt Ion:188 Resp: 19486
Ion Ratio Lower Upper
188 100
94 8.3 6.8 10.2
80 9.0 7.8 11.6

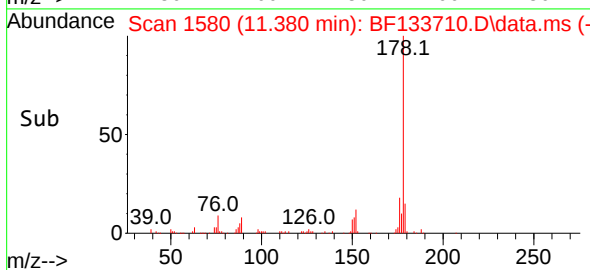
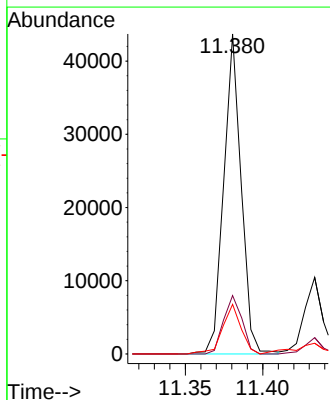
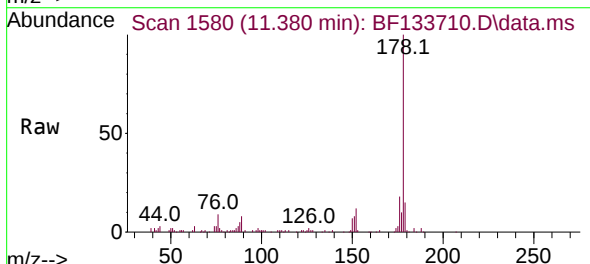
Manual Integrations
APPROVED

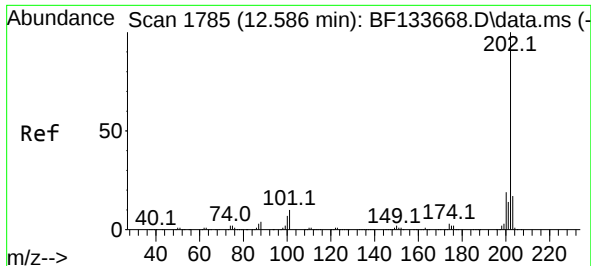
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#71
Phenanthrene
Concen: 3.458 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF133710.D
Acq: 12 Jun 2023 18:30

Tgt Ion:178 Resp: 34191
Ion Ratio Lower Upper
178 100
176 18.3 15.6 23.4
179 15.5 12.4 18.6





#75
Fluoranthene
Concen: 7.266 ng
RT: 12.575 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133710.D
Acq: 12 Jun 2023 18:30

Instrument :

BNA_F

ClientSampleId :

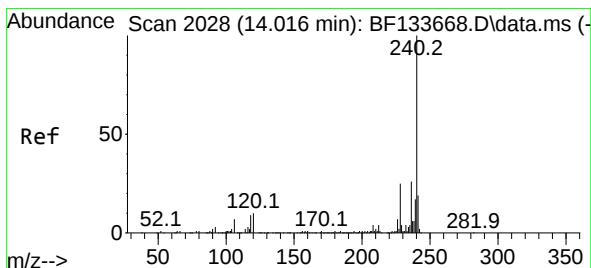
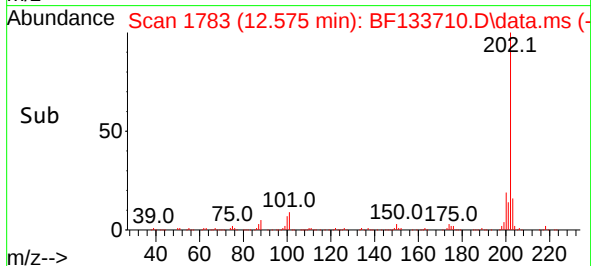
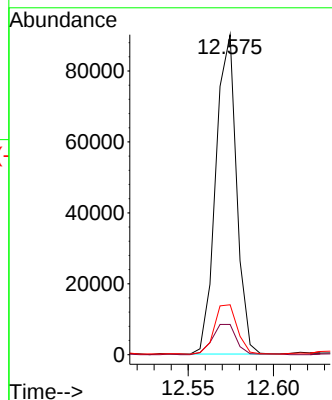
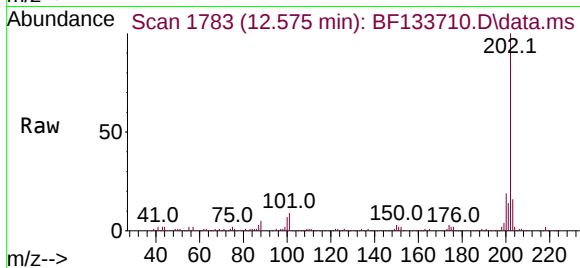
SB-08-5.0-7.0

Tgt Ion:202 Resp: 7628
Ion Ratio Lower Upper
202 100
101 9.5 0.0 29.6
203 15.6 0.0 37.4

Manual Integrations

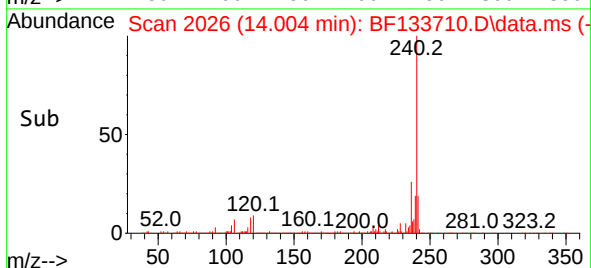
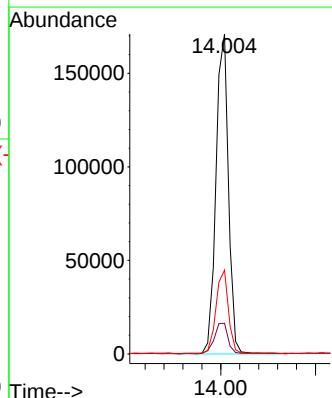
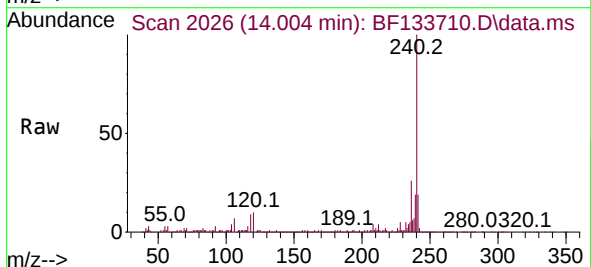
APPROVED

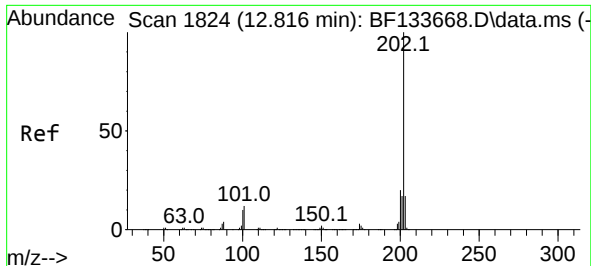
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.012 min
Lab File: BF133710.D
Acq: 12 Jun 2023 18:30

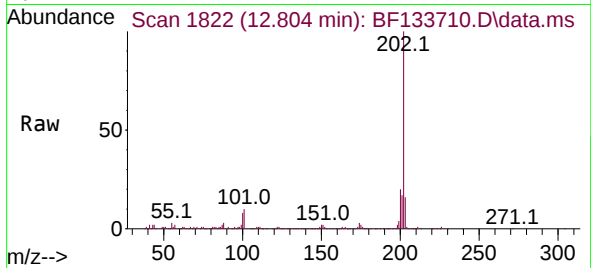
Tgt Ion:240 Resp: 155940
Ion Ratio Lower Upper
240 100
120 9.6 8.1 12.1
236 26.2 20.5 30.7





#78
Pyrene
Concen: 5.949 ng
RT: 12.804 min Scan# 1822
Delta R.T. -0.006 min
Lab File: BF133710.D
Acq: 12 Jun 2023 18:30

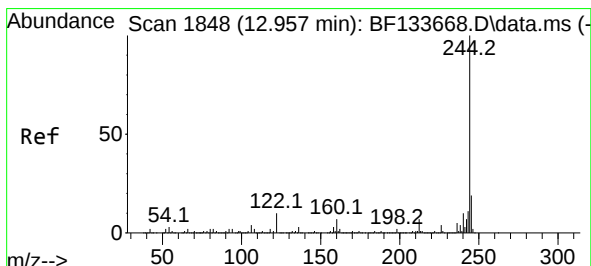
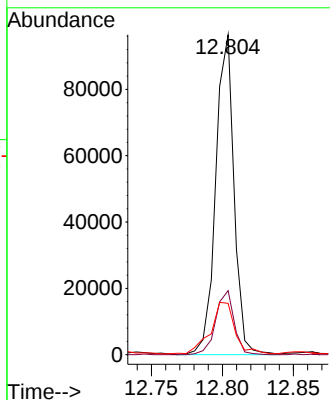
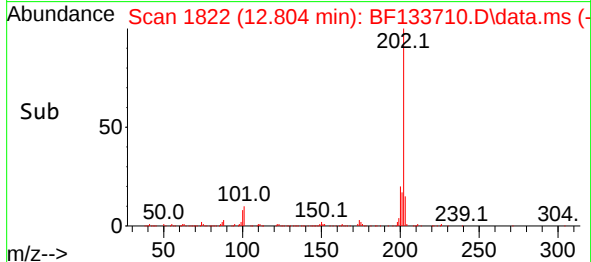
Instrument :
BNA_F
ClientSampleId :
SB-08-5.0-7.0



Tgt Ion:202 Resp: 8642
Ion Ratio Lower Upper
202 100
200 20.0 16.2 24.2
203 16.0 13.9 20.9

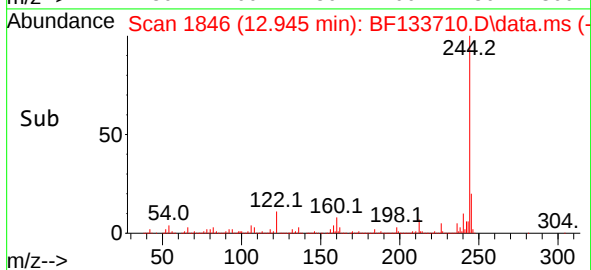
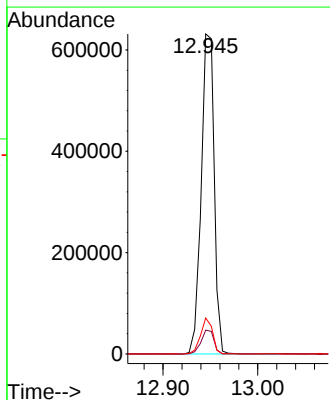
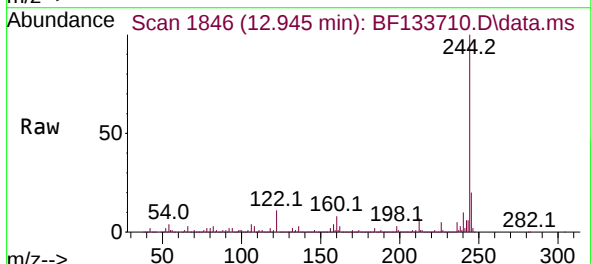
Manual Integrations
APPROVED

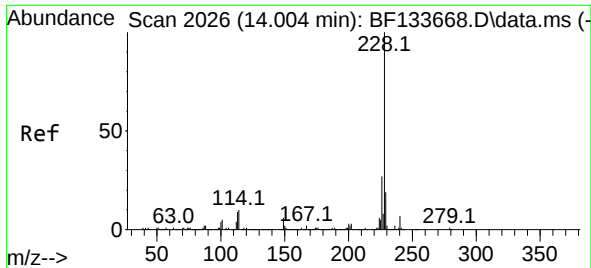
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#79
Terphenyl-d14
Concen: 59.835 ng
RT: 12.945 min Scan# 1846
Delta R.T. -0.012 min
Lab File: BF133710.D
Acq: 12 Jun 2023 18:30

Tgt Ion:244 Resp: 603007
Ion Ratio Lower Upper
244 100
212 7.5 5.4 8.2
122 11.3 8.1 12.1





#81
Benzo(a)anthracene
Concen: 4.600 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.012 min
Lab File: BF133710.D
Acq: 12 Jun 2023 18:30

Instrument :

BNA_F

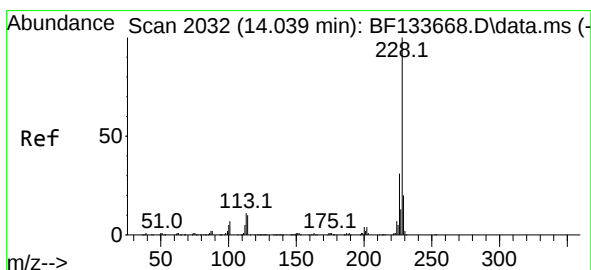
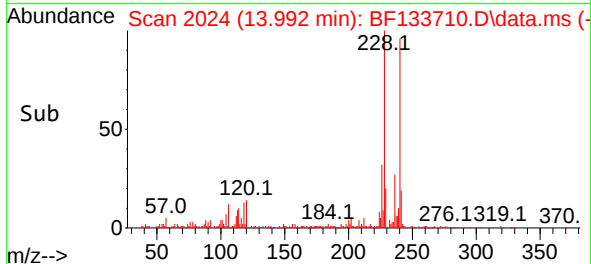
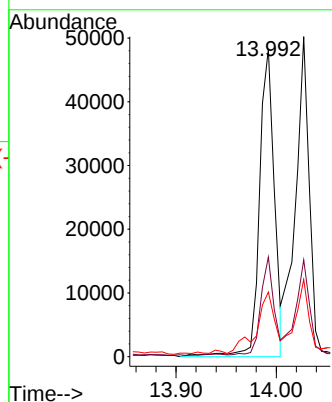
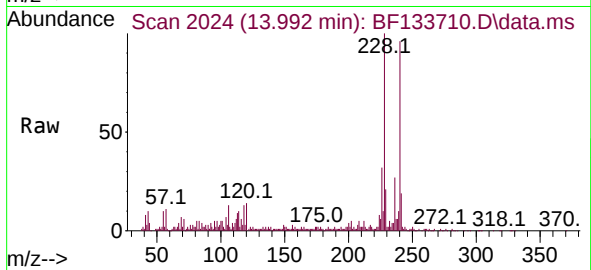
ClientSampleId :

SB-08-5.0-7.0

Tgt Ion:228 Resp: 4961
Ion Ratio Lower Upper
228 100
226 32.4 21.7 32.5
229 21.0 15.4 23.2

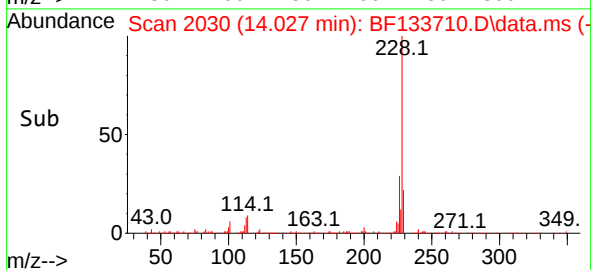
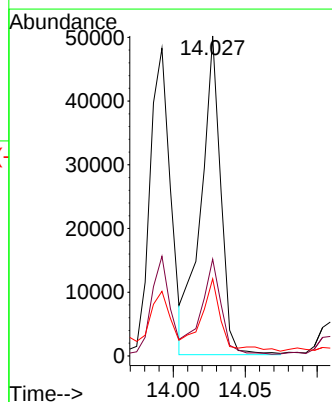
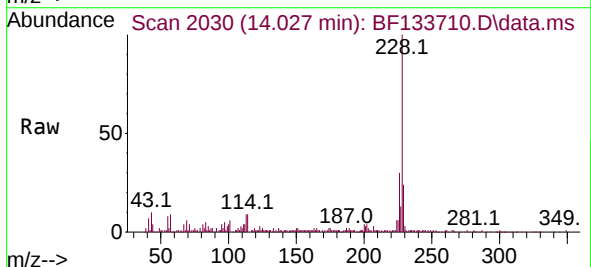
Manual Integrations
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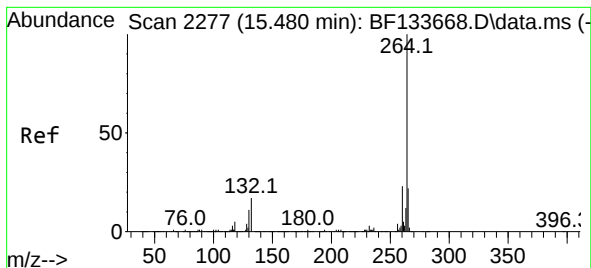
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#83
Chrysene
Concen: 4.733 ng m
RT: 14.027 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF133710.D
Acq: 12 Jun 2023 18:30

Tgt Ion:228 Resp: 48285
Ion Ratio Lower Upper
228 100
226 30.2 25.0 37.6
229 24.1 15.8 23.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133710.D

Acq: 12 Jun 2023 18:30

Instrument :

BNA_F

ClientSampleId :

SB-08-5.0-7.0

Tgt Ion:264 Resp: 13229

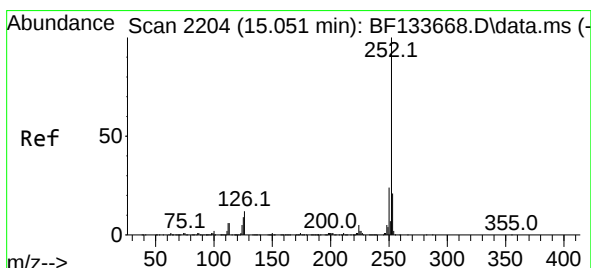
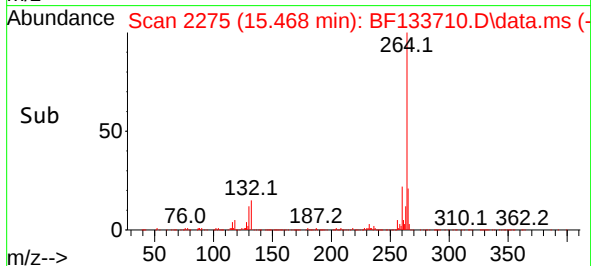
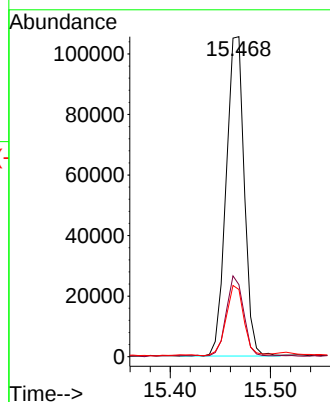
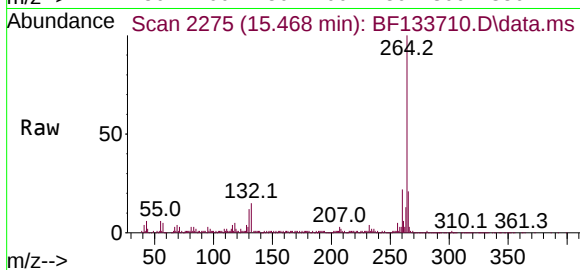
Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.2	27.2
265	21.0	17.8	26.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/13/2023

Supervised By :mohammad ahmed 06/13/2023



#88

Benzo(b)fluoranthene

Concen: 6.132 ng m

RT: 15.039 min Scan# 2202

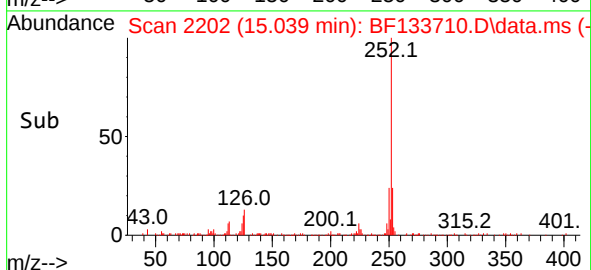
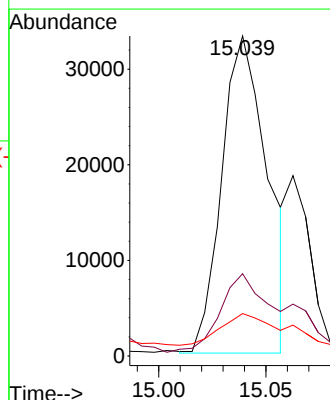
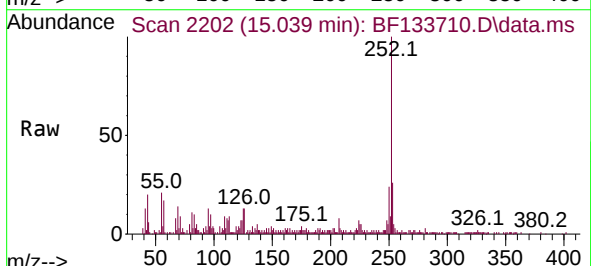
Delta R.T. -0.012 min

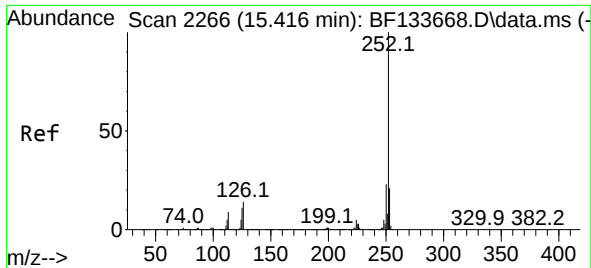
Lab File: BF133710.D

Acq: 12 Jun 2023 18:30

Tgt Ion:252 Resp: 49277

Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.0	25.6#
125	13.2	7.3	10.9#





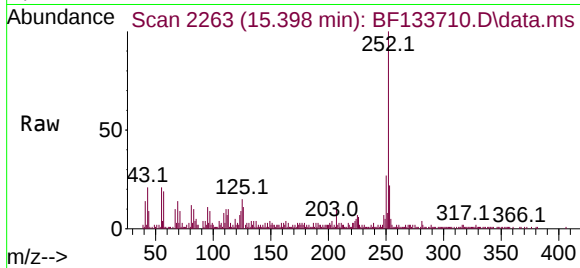
#90
Benzo(a)pyrene
Concen: 4.632 ng
RT: 15.398 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF133710.D
Acq: 12 Jun 2023 18:30

Instrument :

BNA_F

ClientSampleId :

SB-08-5.0-7.0

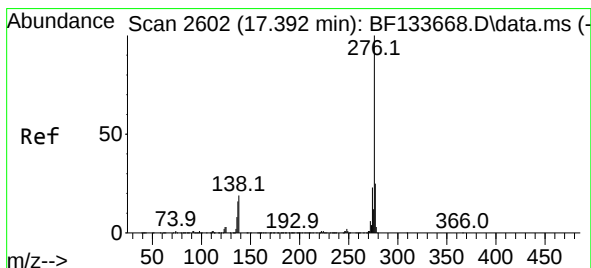
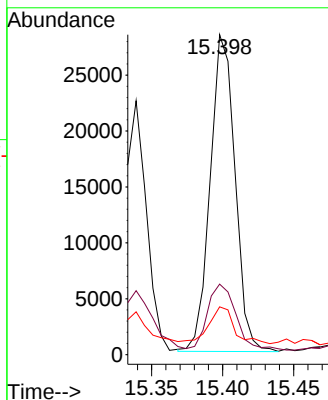
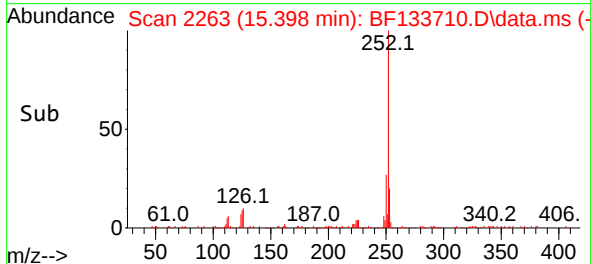


Tgt Ion:252 Resp: 34549
Ion Ratio Lower Upper
252 100
253 22.0 17.1 25.7
125 15.0 8.6 13.0

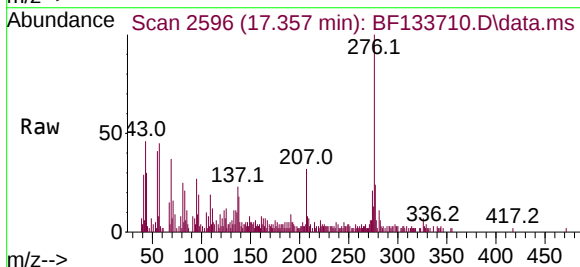
Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#92
Benzo(g,h,i)perylene
Concen: 2.611 ng
RT: 17.357 min Scan# 2596
Delta R.T. -0.035 min
Lab File: BF133710.D
Acq: 12 Jun 2023 18:30



Tgt Ion:276 Resp: 19508
Ion Ratio Lower Upper
276 100
277 24.5 19.8 29.8
138 18.2 15.0 22.4

